

Title (en)  
METHOD AND APPARATUS FOR MANUFACTURING CATHODE RAY TUBE

Publication  
**EP 0229348 B1 19910515 (EN)**

Application  
**EP 86117521 A 19861216**

Priority  
JP 29437585 A 19851226

Abstract (en)  
[origin: EP0229348A2] In a method for manufacturing a cathode ray tube, a bulb (11) is held by a first holding mechanism (10). An electron gun (12) is inserted and held in a neck portion (11a) of the bulb by a second holding mechanism (14). Then, the neck portion and a stem of the electron gun are welded by a welding unit (13). The unit includes an annular burner (27) having an inner surface with a plurality of burner holes formed in substantially the entire area along a circumferential direction thereof. The annular burner are constructed by two burner members (27a, 27b) which can be separated in a radial direction. The burner is positioned by an opening/closing mechanism (31) and a reciprocating mechanism such that the inner peripheral surface of the burner is coaxially located outside the neck portion and opposes the stem of the electron gun. Thereafter, the neck portion is heated by flames injected from the burner holes, and then the burner is reciprocally rotated about its axis through a predetermined angle.

IPC 1-7  
**H01J 9/26**

IPC 8 full level  
**H01J 9/34** (2006.01); **H01J 9/26** (2006.01); **H01J 9/28** (2006.01)

CPC (source: EP KR US)  
**H01J 9/263** (2013.01 - EP US); **H01J 9/28** (2013.01 - KR)

Cited by  
GB2251121A; GB2251121B; CN1040264C

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0229348 A2 19870722; EP 0229348 A3 19880727; EP 0229348 B1 19910515**; DE 3679302 D1 19910620; JP H0520850 B2 19930322; JP S62154432 A 19870709; KR 870006612 A 19870713; KR 900002593 B1 19900420; US 4731040 A 19880315

DOCDB simple family (application)  
**EP 86117521 A 19861216**; DE 3679302 T 19861216; JP 29437585 A 19851226; KR 860011100 A 19861223; US 94552686 A 19861223